Amendments to the Claims

91. (Currently Amended) A method for the treatment of cancer in a patient in need thereof, comprising the administration of an effective amount of at least one ~~PTEN agonist~~ PI-3 kinase inhibitor selected from the group consisting of LY294002 and Wortmannin, wherein said ~~PTEN agonist~~ PI-3 kinase inhibitor effectively inhibits aberrant tumor-associated angiogenesis.

92. (Currently Amended) The method as claimed in claim 91, wherein said ~~PTEN agonist~~ PI-3 kinase inhibitor effectively inhibits cancer cell metastasis.

93. (Previously Presented) The method as claimed in claim 91, further comprising the administration of at least one additional chemotherapeutic agent.

94. (Previously Presented) The method as claimed in claim 93, wherein said at least one additional chemotherapeutic agent is selected from the group consisting of alkylating agents, antimetabolites, asparaginase, vincristine, vinblastine, anthracyclines, microtubule disrupting agents, taxol, herceptin, and etoposides.

95. (Cancelled)

96. (Currently Amended) The method as claimed in claim ~~95~~ 91, wherein said PI-3 kinase inhibitor is LY294002.

97. (Cancelled)

98. (Currently Amended) The method of claim 91, wherein said cancer is chemoresistant and administration of said at least one ~~agonist~~ PI-3 kinase inhibitor is effective to enhance the

chemosensitivity of cells in said cancer.

99. (Previously Presented) The method as claimed in claim 98, further comprising the administration of at least one additional chemotherapeutic agent.

100. (Previously Presented) The method as claimed in claim 99, wherein said at least one additional chemotherapeutic agent is selected from the group consisting of alkylating agents, antimetabolites, asparaginase, vincristine, vinblastine, anthracyclines, microtubule disrupting agents, taxol, herceptin, and etoposides.

101. (Cancelled)

102. (Currently Amended) The method as claimed in claim ~~101~~ 98, wherein said PI-3 kinase inhibitor is LY294002.

103. (Cancelled)

104. (Currently Amended) The method of claim 91, wherein said cancer is radioresistant and administration of said at least one ~~PTEN agonist~~ PI-3 kinase inhibitor is effective to enhance the radiosensitivity of cells in said cancer.

105. (Previously Presented) The method as claimed in claim 104, further comprising the administration of at least one additional chemotherapeutic agent.

106. (Previously Presented) The method as claimed in claim 105, wherein said at least one additional chemotherapeutic agent is selected from the group consisting of alkylating agents, antimetabolites, asparaginase, vincristine, vinblastine, anthracyclines, microtubule disrupting agents,

taxol, herceptin, and etoposides.

107. (Cancelled)

108. (Currently Amended) The method as claimed in claim ~~107~~ 104, wherein said PI-3 kinase inhibitor is LY294002.

109. (Cancelled)

110. (Currently Amended) The method as claimed in claim 91 comprising the targeted administration of said ~~PTEN agonist~~ PI-3 kinase inhibitor to cancer tissues to induce stress induced apoptosis thereof and inhibit tumor-associated angiogenesis~~, wherein said PTEN agonist inhibits a kinase activity selected from the group consisting of AKT kinase activity and PI3 kinase activity~~.

111. (Previously Presented) The method as claimed in claim 110, wherein said apoptosis is p53 mediated.

112. (Previously Presented) The method as claimed in claim 110, wherein said agonist is the PI3 kinase inhibitor LY294002.

113. (Cancelled)

114. (Cancelled)

115. (Withdrawn) A method for the treatment of cancer in a patient in need thereof, comprising the administration of an effective amount of at least one PTEN antagonist.

116. (Withdrawn) The method of claim 115, wherein said PTEN antagonist inhibits p53 mediated programmed cell death.

117. (Withdrawn) The method as claimed in claim 116, comprising the targeted administration of said PTEN inhibitor to normal tissues to inhibit stress induced apoptosis thereof, wherein said patient is in need of such treatment due to deleterious cytotoxic effects of anticancer treatment.

118. (Withdrawn) The method as claimed in claim 115, wherein said PTEN antagonist inhibits cellular senescence thereby promoting survival of normal cells.

119. (Withdrawn) The method as claimed in claim 118, wherein said normal cells are selected from the group consisting of brain cells, heart cells, blood cells, T cells, B cells and skin cells.

120. (New) The method of claim 91 further comprising monitoring microvessel density following administration of said PI-3 kinase inhibitor.

121. (New) The method of claim 91 further comprising assessing inhibition of angiogenesis following administration of said PI-3 kinase inhibitor.